

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-336599

(43)Date of publication of application : 07.12.1999

(51)Int.Cl. F02D 43/00
F01L 1/34
F02D 13/02
F02D 41/04
F02M 25/07
F02P 5/15

(21)Application number : 10-144149

(71)Applicant : HONDA MOTOR CO LTD

(22)Date of filing : 26.05.1998

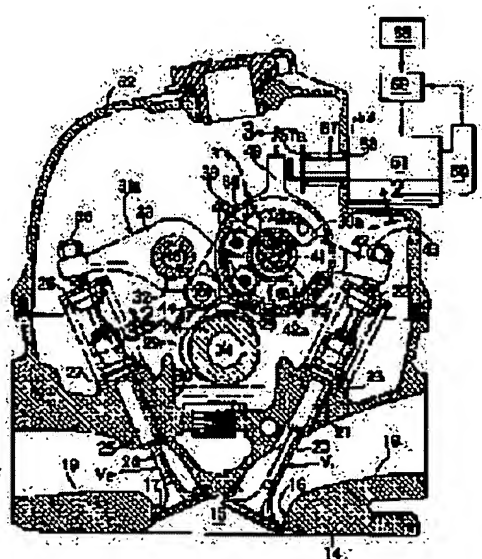
(72)Inventor : NEMOTO HIROOMI
ISHIGURO TETSUYA
GOMI TAKESHI

(54) OPERATION CONTROL DEVICE IN INTERNAL COMBUSTION ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To enable suitable operation control according to a valve opening lap of an intake valve and an exhaust valve by computing a valve opening lap amount according to the detection value of an operation amount detector, and changing at least one of a fuel injection quantity, an ignition timing and an exhaust gas recirculation quantity from an exhaust system to an intake system according to the detected lap amount.

SOLUTION: An actuator 51 is provided with an operation amount detector 60 for detecting the operation amount of the actuator 51 as a representative of the operation amount of an intake valve. The operation of the actuator 51, that is, the opening and closing operation of the intake valve is controlled by a control unit 59. When a valve opening lap of the intake valve and the exhaust valve is caused, it is desirable that a fuel injection quantity, an ignition timing or an exhaust gas re-circulation quantity from an exhaust system to an intake system is



BEST AVAILABLE COPY

changed to conduct suitable operation control for an engine. The control unit 59 controls the operation of the engine according to the output of the operation amount detector 60 and a detection value of a rotating speed detector 66 for detecting the rotating speed of the engine.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office